

Partial translation of DE 297 17 920

### Device with blast nozzles for forming a directionally stable air veil

The invention relates to a device with blast nozzles for forming a directionally stable air veil which is induced by high-energy blowing streams. Devices of this kind are mainly used for workstations with harmful substances, these devices being often already provided with a suction device for the harmful substances, like gases, vapors or dust.

If suction plants are meant to have a reliable and satisfying effect against these harmful substances, they often have to be designed for an extremely high capacity. Such high capacity for suction plants involve often the disadvantage of an extremely high energy consumption in connection with disturbing noises and still not satisfying efficiency. The reason is that currents developing by sucking off air or gas can be directionally orientated only when the quantities to be sucked off are extremely high.

The object of the invention is to remedy the disadvantages by providing comparatively uncomplicated and economically satisfying measures and to provide a device which is uncomplicated, of low noise and which can guarantee a complete individual protection of e.g. a workstation contaminated by harmful substances at comparatively low energy consumption. The device can be adjustable by hand at the workstation without problems to enable the user to find an optimal adjustment of the most favorable blowing direction himself.

#### Claim 1

1. Device comprising blast nozzles for producing a directionally stable air veil which is induced by high energy blowing streams, characterized by an air channel (3) which is equipped in series with blast nozzles (1) and connected to an compressed air source.